

MVM Hydro

Product Profile

3/30/2023

PRODUCT DESCRIPTION

MVM Hydro is an additive obtained from fermentation of specific strains of *Saccharomyces cerevisiae* yeast using a process that stimulates cell disruption through endogenous and exogenous enzymes. It is an all-natural nutritional health product used in all types of animal diets.

AAFCO (Association of America Feed Control Officials) Number: 96.12

INGREDIENT COMPOSITION

Hydrolyzed Yeast (High Digestibility Yeast, β -Glucan, MOS and Nucleotides)

GUARANTEED ANALYSIS

- Crude Protein, min 38.00%
- Lysine, min. 2.50%
- Methionine min 0.46%
- Crude Fat, min. 1.25%
- Crude Fiber, max. 1.40%
- Moisture, max 8.00%
- Ash, max 7.50%
- Phosphorus, min 0.068%
- Typical Analysis (as-fed). *See last page for nutrient profile*

FEEDING DIRECTIONS

MVM HYdro is a nutritional feed ingredient designed for the further manufacture of nutritionally balanced feeds for poultry, swine, equine, fish, shrimp, dairy cattle and beef cattle. General feeding recommendations are outlined on the next page.

PHYSICAL CHARACTERISTICS & HANDLING

MVM HYdro is a light brown, fine powder that mixes well with typical feed ingredients. The nutritional and handling characteristics are not affected by standard manufacturing processing methods or environmental temperature changes.

- Shelf Life: 24 months from date of manufacture
- Store in a clean, dry place, protected from light and moisture.
- Take precautions not to cross contaminate un-supplemented feeds

ORDERING & TECHNICAL INFORMATION

- Packaging: 55.115 lbs. (25 kg) Paper Bags with Polyethylene Liner.
- Customer Service: 208-735-2120



RECOMMENDED FEEDING RATES PER DAY

CATTLE

Calves	5.0-10.0 g/head/day
Beef Cattle	10.0-20.0 g/head/day
Dairy Cattle	10.0-20.0 g/head/day

SWINE

Piglets	0.25-3.0 kg/ton
Growing/Finishing	1.00-4.0 kg/ton
Pigs	3.00-5.0 kg/ton
Sows (gestation)	0.25-3.0 kg/ton
Sows (lactation)	0.25-3.0 kg/ton

POULTRY

Turkeys

Initial Phases	0.25-1.0 kg/ton
Other Phases	0.5-2.0 kg/ton

Broilers

Initial Phases	0.25-1.0 kg/ton
Other Phases	0.5-2.0 kg/ton

Layers

Initial Phases	0.25-1.0 kg/ton
Other Phases	0.5-2.0 kg/ton

Breeders

Initial Phases	0.25-1.0 kg/ton
Other Phases	0.5-2.0 kg/ton

EQUINE

Foals	.0625-.125 oz. (1.75-3.5 g) /head/day
Mares/Stallions	.25-.5 oz. (7-14 g)/head/day
Show/Performance Horses	.25-.5 oz. (7-14g)/head/day
Senior Horses	.25-.5 oz. (7-14g)/head/day
Draft Horses	.50- 1oz. (28g)/head/day

Fish

5.0-20.0 kg/ton

Shrimp

5.0-20.0 kg/ton

DOGS

All Life Stages 5.0-20.0 kg/ton

CATS

All Life Stages 5.0-20.0 kg/ton

Magic Valley Microbials



Typical Analysis

Ingredients

Hydrolyzed Yeast

Guaranteed Analysis

Crude Protein Min. 38%
Moisture Max. 8%

Typical Analysis

Total Glucomannans 34.0%
Crude Protein 41.0%
Nucleotides 3.5%
RNA 5.3%
β-Glucan 22.0%
Mannan Oligosaccharides 12.0%
Moisture 5.0%
Ash 7.0%
Fat 2.5%
Crude Fiber 1.4%

Amino Acids

	(1)	(2)	(3)
Alanine	2.73%	2.40%	2.16%
Arginine	2.12%	1.94%	1.53%
Aspartic Acid	2.45%	4.11%	2.61%
Glycine	1.90%	1.70%	1.45%
Isoleucine	2.38%	2.14%	0.83%
Leucine	3.30%	2.93%	1.30%
Glutamic Acid	4.90%	4.49%	3.81%
Lysine	3.51%	3.13%	2.56%
Cysteine	0.33%	0.27%	0.20%
Methionine	0.85%	0.76%	0.51%
Phenylalanine	1.93%	1.73%	0.86%
Tyrosine	1.50%	1.42%	1.18%
Threonine	2.38%	2.10%	1.21%
Tryptophan	0.43%	N.E.	N.E.
Proline	1.63%	-	1.20%
Valine	2.56%	2.22%	0.72%
Histidine	1.07%	1.01%	0.60%
Serine	2.48%	2.21%	1.68%

(1) Total Amino Acids
(2) Digestible Amino Acids in Swine
(3) Digestible Amino Acids in Poultry
N.E. – Not Evaluated

Minerals

Calcium 0.17%
Phosphorous 0.56%
Potassium 0.10%
Magnesium 0.22%
Sulfur 0.28%
Chlorine 0.00%
Sodium 0.03%
Zinc 31.32 ppm
Selenium 0.02 ppm
Copper 4.42 ppm
Iron 98.10 ppm
Manganese 21.92 ppm
Cobalt 0.00 ppm
Lead 0.00 ppm
Chromium 1.31 ppm

Vitamins

Thiamine (B1) 71.30 ppm
Riboflavin (B2) 32.00 ppm
Niacin (B3) 66.32 ppm
Pantothenic Acid (B5) 80.60 ppm
Pyridoxine (B6) 9.00 ppm
Choline (B7) 1,206.42 ppm
Biotin (B8) 3.12 ppm
Folic Acid (B9) 14.90 ppm
Cobalamin (B12) 0.90 ppm

Microbiological Analysis

Total Plate Count <15,000 cfu/g
Total Coliforms <10 mpn/g
Fecal Coliforms Absent
Yeast <100 cfu/g
Mold <100 cfu/g
Salmonella Absent
E. coli Absent

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